

## CLAIMS

a) What is claimed is:

1. A suspended multi-planar ceiling system for connection to a structure comprising:  
5 (a plurality of grid members) intersecting to form a grid, said grid members having (a base member) and (a bridge member); and  
(a plurality of tapered panels) adapted to be connected to said grid, said panels having (a first upwardly extending side) and (a second upwardly extending side) interconnected by a common surface, said first side having a greater surface area than said second side.
2. The suspended multi-planar ceiling system of claim 1, wherein said first side includes (an outwardly extending flange).
3. The suspended multi-planar ceiling system of claim 2, wherein said second side includes (an outwardly extending flange).
4. The suspended multi-planar ceiling system of claim 3, wherein said flanges are in (contact with said base member) of said grid members.
5. ✓ The suspended multi-planar ceiling system of claim 1, wherein said tapered panels are arranged in said grid in the same direction (to form a shingle pattern).
- 20 6. ✓ The suspended multi-planar ceiling system of claim 1, wherein said tapered panels in a first row are arranged 180 degrees out of phase with panels in a second row (to form a saw-tooth pattern).
7. ✓ The suspended multi-planar ceiling system of claim 1, wherein said first side of a first panel is adjacent to said first side of a second panel (to form an

undulating pattern.

8. ✓ The suspended multi-planar ceiling system of claim 1, wherein said first side of said second panel is offset 90 degrees from said first side of said first panel

to form a pinwheel pattern.

- 5 (9.) A suspended multi-planar ceiling system comprising:  
(a grid) formed from the interconnection of grid members, said grid adapted to be suspended from a structure, and  
(at least one tapered panel) having a slanted layer connected to a plurality of side surfaces, said side surfaces including (outwardly extending flanges) adapted to suspend said at least one tapered panel from said grid.

10. The suspended multi-planar ceiling system of claim 9, wherein said grid members include (a base member).

11. The suspended multi-planar ceiling system of claim 10, wherein said grid members include (a bridge member) perpendicularly oriented to said base member.

12. The suspended multi-planar ceiling system of claim 11, wherein said flanges are adapted to be supported by said base member of said grid members.

13. ✓ The suspended multi-planar ceiling system of claim 9, wherein said tapered panels are arranged in said grid in the same direction to form a shingle pattern.

14. ✓ The suspended multi-planar ceiling system of claim 9, wherein said tapered panels in a first row are arranged 180 degrees out of phase with panels in a second row to form a saw-tooth pattern.

15. ✓ The suspended multi-planar ceiling system of claim 9, wherein said tapered

panels include a first end having a first elevation and a second end having a second elevation.

16. ✓ The suspended multi-planar ceiling system of claim 15, wherein said first end of a first panel is adjacent to a first end of a second panel to form an undulating pattern.

17. ✓ The suspended multi-planar ceiling system of claim 15, wherein said first end of said second panel is offset 90 degrees from said first end of said first panel to form a pinwheel pattern.

18. A sloped panel and grid system comprising:

(a grid) formed from the interconnection of a plurality of grid members, said grid members defining (a plurality of panel openings;)

a plurality of sloped panels adapted to be suspended from said grid, said sloped panels including a polygonal layer defining by a plurality of edges, wherein said plurality of edges lie in a non-horizontal plane, said polygonal layer dimensioned substantially equal to the size of said panel opening.

19. (The tapered panel) suspended ceiling system of claim 18, wherein said sloped panels include outwardly extending flanges.

20. The sloped panel and grid system of claim 18, wherein said grid members include (a base portion).

21. The sloped panel and grid system of claim 20, wherein said (flanges are in contact with said base portion of said grid members to support said panels.

22. (The tapered panel) suspended ceiling system of claim 18, wherein said tapered panels are arranged in said grid in the same direction to form a shingle pattern.

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(23.) (The tapered panel) suspended ceiling system of claim 18, wherein said tapered panels in a first row are arranged 180 degrees out of phase with panels in a second row to form a saw-tooth pattern.

(24.) (The tapered panel) suspended ceiling system of claim 18, wherein said tapered panels include a first end having a first elevation and a second end having a second elevation.

25. ✓ (The tapered panel) suspended ceiling system of claim 24, wherein said first end of a first panel is adjacent to a first end of a second panel to form an undulating pattern.

26. ✓ (The tapered panel) suspended ceiling system of claim 24, wherein said first end of said second panel is offset 90 degrees from said first end of said first panel to form a pinwheel pattern.

(27.) A variable depth panel ceiling system comprising a grid formed from the interconnection of a plurality of grid members, said grid members defining a plurality of panel openings;

a first set of panels having a first depth adapted to be suspended from said grid;

a second set of panels having a second depth adapted to be suspended from said grid; said panels arranged in said grid so that said first set of panels are alternated with said second set of panels to form a checkered pattern.

28. A variable depth panel ceiling system comprising:

(a grid) formed from the interconnection of a plurality of grid members, said grid members defining a plurality of panel openings;

a series of panels of various depths adapted to be supported by said grid,

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said panels arranged so that the transition between the deepest panels and the shallowest panels are separated by panels of an intermediate depth.

29. A multi-planar ceiling system comprising:

5 (a grid formed from the interconnection of a plurality of grid members), said grid members including a substantially vertical component and a substantially horizontal component;

a first and a second planar panel adapted to be suspended from said grid and including a substantially horizontal bottom surface and a plurality of side surfaces extending upwardly from said bottom surface, said side surfaces of said first and second planar panels are substantially parallel to said substantially vertical component of said grid members; said bottom surface on said first planar panel extends further from said grid than said bottom surface of said second planar panel,

(a tapered panel adapted to be suspended from said grid, said tapered panel including a bottom surface that lies in a non-horizontal plane; said third panel further including a first side surface having a length equal to said side surfaces of said first panel and including a second side surface having a length equal to said side surfaces of said second panel.

30. The multi-planar ceiling system of claim 29, wherein said panels further include outwardly extending flanges that are adapted to contact said substantially horizontal component of said grid members.

31. The multi-planar ceiling system of claim 29, wherein said tapered panel further includes a third and a fourth side surface that are tapered transitioning from said first side surface to said second side surface.

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32. A multi-planar ceiling system comprising:

(a plurality of grid members) intersecting to form a grid, said grid members having a base portion and a bridge portion;

at least one tapered panel adapted to be suspended from said grid, said tapered panel having a non-horizontal bottom surface and four side surfaces extending upwardly from said bottom surface; said tapered further including flanges that are adapted to extend outwardly from said side surfaces;

said side surfaces oriented substantially parallel to said bridge portion of said grid members.

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